



DATA SHEET

PROPERTIES AND MODE OF ACTION

SURFACTALOE GREEN™ is a green and ecological product based on aloe, for use as a biosurfactant in the bioremediation process of the soil. It is designed to prepare the ground for bioremediation of soils affected by oil spills, leaks, discharges, losses and for drilling mud treatment. Additionally, it is used for oil and connate water separation in oil wells, and also together with other surfactants in Enhanced Oil Recovery processes that use mixtures of alkalis, surfactant and polymers.

SURFACTALOE GREEN™ is a plant-based extract, is biodegradable, has no chemicals, toxic components or heavy metals, and comes from a plant that is a renewable material.

SURFACTALOE GREEN™ is a liquid concentrate that is formulated based on polysaccharides that offer high viscosity. Also, the aloe extract contains saponins, a natural compound that together with the polysaccharides offer the surfactant function.

SURFACTALOE GREEN™ offers various properties

- The product is of natural origin, it is not a synthetic chemical, it is safe for the environment.
- The product is easy to use, low cost of implementation and can be used in on-site and off-site remediation.
- The product is non-toxic, non-acidic and non-caustic. Easy to handle by the operator
- Not a polluting product
- Product is from natural origin, it is not a synthetic chemical, it is safe for the environment.
- Product is easy to use, low cost of implementation and can be used in on-site and off-site remediation.
- Product is not toxic. It does not offer terrestrial or aquatic toxicity.
- Easy to manipulate by the operator
- Biological product with 99.5% of material of natural origin and from renewable resources
- Product is not dangerous and not polluting for humans, plant species, animals or aquatic life.
- Reduces the environmental impact of oil and gas industry operations
- Safe for the personnel

SURFACTALOE GREEN™ is a sustainable product for use in the oil and gas industry, offering similar results as other competing chemicals or similar substitutes.

INSTRUCTIONS FOR USE

- In bio remediation use, SURFACTALOE GREEN™ must be diluted in treated and filtered water, and then applied with a pump or dispenser. The correct dosage depends on the contaminating compounds or heavy metals present in the soil or material to be treated.
- The product is applied in combination with REMEDIALOE GREEN™
- Please consult the Technical Area or directly with a Distributor.

STORAGE AND TRANSPORTATION CONDITIONS

Keep the product in a cool and dry place, away from heat sources, direct fire or sources of ignition. DO NOT EXPOSE TO DIRECT SUN. Recommended storage temperature: 20° C. PRODUCT PRESENTATION: 20 L jerrycan. - 200 L drum. - Tote of 1,000 L.

SURFACTALOE GREEN™

MANUFACTURER

Made in Mexico for Aloetrade America LLC.

COMPOSITION

Proprietary formula based on extracts of aloe (Aloe Barbadensis Miller and Aloe Chinensis), preservatives and acidulant.

PHYSICOCHEMICAL CHARACTERISTICS

Appearance and color: clear amber liquid gel.

Odor: characteristic vegetable.

PH: 3.6 / 4.6 - Flash point: N / A.

Relative density: 1,005 to 1,010

Solubility in water: complete.

TOXICITY

- Non-toxic product.
- It is not polluting for humans, nor for plant, animal or aquatic world species.
- Product does not affect aquifers, rivers, streams, reservoirs or water tanks.
- It is biodegradable according to OECD 301.
- Does not generate bioaccumulation.

RECOMMENDED DOSE

- 20 liters are used to prepare 200 liters of solution for bioremediation of between 20 to 50 M3 depending on the compounds present in the material to be treated.
- Please consult the Technical Area or directly with a Distributor.